

NODE=B194

 **$\Omega_b(6330)^-$** 

$I(J^P) = ?(??)$  Status: \*

$I, J, P$  need confirmation.

OMITTED FROM SUMMARY TABLE

 **$\Omega_b(6330)^-$  MASS**

VALUE (MeV)	DOCUMENT ID	TECN	COMMENT
<b>6330.3±0.3±0.5</b>	<sup>1</sup> AAIJ	20T LHCb	$p p$ at 7, 8, 13 TeV
<sup>1</sup> AAIJ 20T measures $m(\Omega_b(6330)^-) - m(\Xi_b^0) = 538.40 \pm 0.28 \pm 0.07$ MeV. We have adjusted the measurement to our best values of $m(\Xi_b^0) = 5791.9 \pm 0.5$ MeV. Our first error is their experiment's error and our second error is the systematic error from using our best values.			

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NODE=B194M;LINKAGE=A

 **$\Omega_b(6330)^-$  WIDTH**

VALUE (MeV)	CL%	DOCUMENT ID	TECN	COMMENT
<b>&lt;4.7</b>	95	AAIJ	20T LHCb	$p p$ at 7, 8, 13 TeV

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 **$\Omega_b(6330)^-$  DECAY MODES**

Mode	Fraction ( $\Gamma_i/\Gamma$ )
$\Gamma_1 \quad \Xi_b^0 K^-$	seen

DESIG=1

 **$\Omega_b(6330)^-$  BRANCHING RATIOS**

$\Gamma(\Xi_b^0 K^-)/\Gamma_{\text{total}}$	$\Gamma_1/\Gamma$
<b>seen</b>	<sup>1</sup> AAIJ 20T LHCb $p p$ at 7, 8, 13 TeV
<sup>1</sup> AAIJ 20T establishes the decay at 2.6 $\sigma$ significance level.	

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REFID=60534

 **$\Omega_b(6330)^-$  REFERENCES**

AAIJ	20T PRL 124 082002	R. Aaij <i>et al.</i>	(LHCb Collab.)
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